

Abstract Of The Disclosure

Pyrogenically prepared silicon dioxide with the following physicochemical properties:

1. Average particle size (D_{50} value) $D_{50} \geq 150$ nm (dynamic light scattering, 30 wt%)
2. Viscosity (5 rpm, 30 wt%) $\eta \leq 100$ m·Pas
3. Thixotropy of T_i ($\eta(5 \text{ rpm})/(\eta(50 \text{ rpm})) \leq 2$
4. BET surface area 30-60 m²/g
5. Compacted bulk = 100-160 g/L
6. Original pH ≤ 4.5

that can be used for the preparation of dispersions and glass bodies.